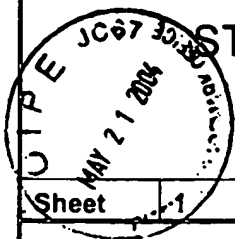


Substitute for Form 1449/PTO

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)



Sheet 1

of

2

Complete if Known

Application Number	10/721,445
Filing Date	11/24/2003
First Named Inventor:	Hossein Sedarat
Art Unit	2124
Examiner Name	N/A
Attorney Docket Number	006491.P066

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature

/Lawrence Williams/ (01/10/2007)

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/721,445
				Filing Date	11/24/2003
				First Named Inventor:	Hossein Sedarat
				Art Unit	2124
				Examiner Name	N/A
Sheet	2	of	2	Attorney Docket Number	006491.P066
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
LW		PETER S. CHOW, ET AL., "A Practical Discrete Multitone Transceiver Loading Algorithm for Data Transmission over Spectrally Shaped Channels," <i>IEEE Trans. On Communications</i> , vol. 43, no. 2, pp. 773-775, 1995			
↓		JORGE CAMPOLLO, "Optimal Discrete Bit Loading for Multicarrier Modulation Systems," <i>IEEE International Symposium on Information Theory</i> , August 1998, Cambridge, MA, p. 193			
↓		BRIAN S. KRONGOLD, ET AL., "Computationally Efficient Optimal Power Allocation Algorithms for Multicarrier Communication Systems," <i>IEEE Trans. On Communications</i> , vol. 48, pp. 23-27, January 2000			
↓		RANJAN V. SONALKAR, "An Efficient Bit-Loading Algorithm for DMT Applications," <i>IEEE Comm. Letters</i> , vol. 4, pp. 80-82, March 2000			
↓		ANA GARCIA ARMADA, ET AL., "Multi-User Constant-Energy Bit Loading for M-PSK-Modulated Orthogonal Frequency Division Multiplexing," <i>IEEE Wireless Communications and Networking Conference (WCNC)</i> , Orlando, pp. 526-530, March 2002			
↓		ANDRE NOLL BARRETO, ET AL., "Adaptive Bit Loading for Wireless OFDM Systems," <i>IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, G-88 to G92</i> , October 2001			
LW		ENZO BACCARELLI, ET AL., "Novel Efficient Bit-Loading Algorithms for Peak-Energy-Limited ADSL-Type Multicarrier Systems," <i>IEEE Trans on Signal Processing</i> , vol. 50, no. 5, pp. 1237-1247, May 2002			

Examiner Signature	/Lawrence Williams/ (01/10/2007)	Date Considered	
-----------------------	----------------------------------	--------------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.